Mail Stop PCT

|   | M PTC  | U.S. DEPARTMENT C  | F COMMERCE PATENT AND TRADEMARK CHOC   | 3687-114   |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|   |  | DESIGNATED/ELEC  | R TO THE UNITED STATES<br>CTED OFFICE (DO/EO/US)<br>ING UNDER 35 U.S.C. 371                          | U.S. APPLICATION No. 415 known see Bros F.R. 1.5)  |  |  |  |  |  |  |  |  |  |  |
| INTE  |  | TONAL APPLICATION NO.<br>CT/IT2002/000720  | INTERNATIONAL FILING DATE 12 November 2002   | PRIORITY DATE CLAIMED unknown                      |  |  |  |  |  |  |  |  |  |  |
| TITL  | E OF   | INVENTION GAS I  | BURNER WITH SEPARATE FEEDING OF TI   | HE FLAME CROWNS                                    |  |  |  |  |  |  |  |  |  |  |
| APF   | PLICA  | NT(S) FOR DO/EO/US   | Angelo BETTINZOLI  |  |  |  |  |  |  |  |  |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I   | 1. This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | _  | -  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.  | M  | This is an express request to begin national examination procedures (35.11.S.C. 371(f). The submission must include  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.  |  | This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below. |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.  |  | The U.S. has been elected (Article 31).  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.  | A co   | copy of the International Application as filed (35 U.S.C. 371(c)(2).   |  |  |  |  |  |  |  |  |  |  |  |  |
|   | a.   | is attached hereto (   | pages specification, claims & abstract (   | claims), sheets drawings).                         |  |  |  |  |  |  |  |  |  |  |
|   | b.   | ☐ has been communicat  | ed by the International Bureau.  |  |  |  |  |  |  |  |  |  |  |  |
|   | C.   | is not required, as the  | application was filed in the United States Rec   | eiving Office (RO/US).                             |  |  |  |  |  |  |  |  |  |  |
| 6.  |  | An English language transla  | tion of the International Application as filed (3  | 35 U.S.C. 371(c)(3)                                |  |  |  |  |  |  |  |  |  |  |
|   | a.<br>Cert   | is attached hereto ( ificate of Translation).  | pages specification, claims & abstract (   | claims), sheets drawings, page                     |  |  |  |  |  |  |  |  |  |  |
|   | b.   | has been previously s  | ubmitted under 35 U.S.C. 154(d)(4).  |  |  |  |  |  |  |  |  |  |  |  |
| 7.  |  | Amendments to the claims   | of the International Application under PCT Art   | icle 19 (35 U.S.C. 371(c)(3)                       |  |  |  |  |  |  |  |  |  |  |
|   | a.   | are attached hereto (re  | equired only if not communicated by the Interr   | national Bureau).                                  |  |  |  |  |  |  |  |  |  |  |
|   | b.   | have been communication  | ted by the International Bureau.   |  |  |  |  |  |  |  |  |  |  |  |
|   | C.   | have not been made;  | nowever, the time limit for making such amen   | dments has <b>NOT</b> expired.                     |  |  |  |  |  |  |  |  |  |  |
|   | $d{j}$   | have not been made a   | nd will not be made.   |  |  |  |  |  |  |  |  |  |  |  |
| 8.  | Ó  | An English language transla  | tion of the amendments to the claims under F   | PCT Article 19 (35 U.S.C. 371(c)(3).               |  |  |  |  |  |  |  |  |  |  |
| 9.  | <i>ā.</i> "  | An oath or declaration   | of the inventor(s) (35 U.S.C. 371(c)(4).   |  |  |  |  |  |  |  |  |  |  |  |
|   | b.<br>Forr   |  | itted to the International Bureau during Interna<br>T/IB/371 and first page of printed publication a |  |  |  |  |  |  |  |  |  |  |  |
| 10.<br>U.S  | .C. 37   | ′1(c)(5).  |  | ninary Examination Report under PCT Article 36 (35 |  |  |  |  |  |  |  |  |  |  |
|   | _  |  | document(s) or information included:   |  |  |  |  |  |  |  |  |  |  |  |
| 11.   | _  |  | statement under 37 C.F.R. 1.97 and 1.98.   | Sanas with 07.0 F.D. 0.00 and 0.21 is included     |  |  |  |  |  |  |  |  |  |  |
| 12.   | $\boxtimes$  |  | <del>-</del>   | liance with 37 C.F.R. 3.28 and 3.31 is included.   |  |  |  |  |  |  |  |  |  |  |
| 13.   | a.<br>b.   | ☐ A FIRST preliminary a ☐ A SECOND or SUBSE  | mendment.<br>QUENT preliminary amendment.  |  |  |  |  |  |  |  |  |  |  |  |
| 14.   |  | An Application Data Sheet  | under 37 C.F.R. § 1.76.  |  |  |  |  |  |  |  |  |  |  |  |
| 15.   |  | A substitute specification.  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16.   |  | A change of power of attorn  | ey and/or address letter.  |  |  |  |  |  |  |  |  |  |  |  |
| 17.   |  | A computer-readable form of  | of the sequence listing in accordance with PC  | T Rule 13ter.2 and 37 CFR 1.821-1.825.             |  |  |  |  |  |  |  |  |  |  |
| 18.   |  | A second copy of the put   | olished international application under 35   | U.S.C. 154(d)(4).                                  |  |  |  |  |  |  |  |  |  |  |
| 19.   |  | A second copy of the Englis  | sh language translation of the international ap  | plication under 35 U.S.C. 154(d)(4).               |  |  |  |  |  |  |  |  |  |  |
| 20  |  | Other items or information   |  |  |  |  |  |  |  |  |  |  |  |  |

| U.S. APPLICATION   |                         | see 37 C.F.R. | 1.5)   | INTERNATIONAL APPLICATION NO. |                 |                         |              |                                   | ATTORNEY'S DOCKET NUMBER |             |                          |              |  |  |
|--|-------------------------|---------------|--------|-------------------------------|-----------------|-------------------------|--------------|-----------------------------------|--------------------------|-------------|--------------------------|--------------|--|--|
|  |                         |               |        |                               |                 |                         |              |                                   |                          |             | 687-114                  |              |  |  |
| BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):   |                         |               |        |                               |                 |                         |              |                                   |                          |             |                          | 1            |  |  |
| BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):    .  |                         |               |        |                               |                 |                         |              |                                   |                          |             |                          |              |  |  |
| ı <del>-</del>   | 」 a) Basic Hallohal lee |               |        |                               |                 |                         |              |                                   |                          |             |                          |              |  |  |
| . —  | c) Search Fee           |               |        |                               |                 |                         |              |                                   |                          |             |                          | <u> </u>     |  |  |
| TOTAL OF ABOVE CALCULATIONS\$1000.00/\$500.00  |                         |               |        |                               |                 |                         |              |                                   |                          |             | 0.00                     | <del></del>  |  |  |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or  |                         |               |        |                               |                 |                         |              |                                   |                          |             | 0.00                     | <u> </u>     |  |  |
| computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.                                |                         |               |        |                               |                 |                         |              |                                   |                          |             |                          |              |  |  |
| Total Sheets   |                         |               |        |                               |                 |                         |              |                                   |                          |             |                          |              |  |  |
| 0 -100   | 0 1/                    | 750 = 0.00    | ber    |                               |                 |                         | \$0.0        | \$0.00 (1681)                     |                          |             |                          |              |  |  |
|  |                         | 750 =   5.50  |        |                               |                 |                         |              | \$ <b>0.00</b> (2681)             |                          | \$          |                          |              |  |  |
|  |                         |               |        |                               |                 |                         | <b>Φ</b> 0.0 | 0 (2001)                          |                          |             |                          |              |  |  |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e). |                         |               |        |                               |                 |                         |              |                                   |                          |             |                          |              |  |  |
| CLAIMS NUMBER FILED # EXTRA RATE   |                         |               |        |                               |                 |                         |              |                                   | \$                       |             |                          |              |  |  |
| Total Claims   |                         | minus 20      |        | 0 X                           | \$50.00 (1615)/ |                         |              | \$25.00 (2615                     | )                        | \$          |                          |              |  |  |
|  |                         |               |        |                               |                 |                         |              | \$100.00 (261                     | 4)                       | \$          |                          | -            |  |  |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable) \$360.00 (1616)/\$180.00 (2616)   |                         |               |        |                               |                 |                         |              |                                   |                          |             | 0.00                     |              |  |  |
| Petition is hereby   | ENDENT C                | LAIMS(S) (    | ır app | licable)                      | <u> </u>        |                         |              |                                   |                          | \$          | 0.00                     |              |  |  |
| attachment(s):   |                         |               |        |                               |                 |                         |              |                                   |                          |             |                          |              |  |  |
| (1252)/\$225.00 (  |                         |               | tensio | ons \$1020.                   | 00              | (1253/\$510.00          | (225         | 3); Four Month                    | Extensions               |             |                          |              |  |  |
| \$1590.00 (1254/   |                         |               |        | 07.050.4                      |                 |                         |              |                                   | ·····                    | \$          | 0.00                     |              |  |  |
| Applicant cla  | ims small e             | ntity status  | See    | 3/ CFR 1                      | .27.<br>alie    | h Translation           | lator ti     | nan 🗍 20                          | 30                       | +           |                          |              |  |  |
| months from the  |                         |               |        |                               |                 |                         | iale: li     | +                                 |                          |             | 0.00                     |              |  |  |
| Fee for recording  | the enclos              | ed assign     | ent (  | 37 C F B 1                    | 1 21            | (h) The assi            | anme         | TOTAL NATI                        |                          | \$          | 0.00                     |              |  |  |
| an appropriate c   |                         |               |        |                               |                 |                         |              |                                   | ompanioa by              | \$          | 40.00                    |              |  |  |
| Fee for Petition t   | o Revive U              | nintentiona   | ly Aba | andoned A                     | ppli            | ication;\$ <b>1500.</b> |              |                                   |                          | \$          | 0.00                     |              |  |  |
|  |                         |               |        |                               |                 |                         | T01          | AL FEES EN                        | ICLOSED =                | \$          | 40.00                    | <del> </del> |  |  |
|  |                         |               |        |                               |                 |                         |              |                                   |                          |             | nount to be:<br>refunded |              |  |  |
|  |                         |               |        |                               |                 |                         |              |                                   |                          |             |                          | \$           |  |  |
| a. 🛛 A ched  | ck in the am            | ount of \$4   | 0.00 t | o cover the                   | ab              | ove fees is er          | nclose       | d.                                | <u> </u>                 | Unarged   w |                          |              |  |  |
| b. Please  | e charge my             | / Deposit A   | ccoun  | t No. 14-1                    |                 |                         |              | to cover                          | the above fee            | s.          |                          |              |  |  |
|  | icate copy              |               |        |                               |                 | o ony oddition          | nal for      | a which may b                     | o roquirod or            | orod        | it any                   |              |  |  |
|  |                         |               |        |                               |                 |                         |              | es which may b<br>his form is end |                          | creu        | пану                     |              |  |  |
|  | OIT CARD                |               |        |                               |                 |                         | <b>-,</b>    |                                   |                          |             |                          |              |  |  |
| e. 🖾 The er  |                         |               |        |                               |                 |                         |              | '20 and any U.                    |                          |             | ication(s) c             | orresponding |  |  |
| thereto, and   |                         |               |        |                               |                 |                         |              | reference in t                    |                          |             | .iv.a /27 C I            | E D 1 127/a) |  |  |
| NOTE: Where a or (b) must be f   |                         |               |        |                               |                 |                         |              |                                   | et, a petition           | o re        | vive (37 C.I             | .n. 1.137(a) |  |  |
| CORRESPOND   |                         |               |        | upp                           |                 | , o                     | <b>3</b>     |                                   |                          |             |                          |              |  |  |
| Direct all corre   | -                       |               |        |                               |                 |                         |              |                                   |                          |             |                          |              |  |  |
|  | Custome                 | er Numb       | er:    |                               | 23              | 3117                    |              |                                   | Λ                        |             |                          |              |  |  |
|  |                         |               |        | Туре С                        | ustoi           | mer Number here         |              |                                   | 11. 1                    |             | 1/                       |              |  |  |
|  |                         |               |        |                               |                 |                         |              |                                   | What t                   | Will        |                          |              |  |  |
| Telephone: (703  | ) 816-4000              |               |        |                               |                 |                         |              | Arthur R. C                       |                          |             |                          |              |  |  |
| ARC:eaw  | , 515 4000              |               |        |                               |                 |                         |              | NAME                              |                          |             |                          |              |  |  |
|  |                         |               |        |                               |                 |                         |              | 25,327                            |                          | J۱          | ıne 6, 2005              | ;            |  |  |
| 25,327 REGISTRATION NUMBER   |                         |               |        |                               |                 |                         |              |                                   |                          | Date        |                          |              |  |  |

JC20 Rec' PTO 1 0 MAY 2005

| U.S. APPLICATION  | ND (If findsyn,                  | 347                  | 493                       | IN                              | TERNATIONAL APP<br>PCT/IT2002/0                   |                    |  | ATTO                      |            | 'S DOCKET N            | UMBER        |  |
|---|----------------------------------|----------------------|---------------------------|---------------------------------|---|--------------------|--|---------------------------|------------|------------------------|--------------|--|
| 21.  The follo  | owing fees                       | are su               | bmitted:                  |                                 |   |                    |  |                           |            |                        |              |  |
| BASIC NATION  |                                  |                      |                           | 92(a)(1)-(5):                   |   |                    |  | _                         |            |                        |              |  |
| 🛛 a) Basic i  | national fee                     | ·                    |                           |                                 | \$300   | .00 (16            | 31)/\$150.00 (26                         | 31)                       | \$         | 300.00                 |              |  |
| b) Exami  | nation Fee                       |                      |                           |                                 | \$200   | .00 (16            | 33)/\$100.00 (26                         | 33)                       | \$         | 200.00                 |              |  |
| · <del>-</del>  | ∑ b) Examination Fee             |                      |                           |                                 |   |                    |  |                           | \$         | 500.00                 | <b></b> -    |  |
| C) Search Fee   |                                  |                      |                           |                                 |   |                    |  |                           | \$         | 1000.00                | <b>-</b>     |  |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or |                                  |                      |                           |                                 |   |                    |  |                           |            |                        | L            | -  |
| Additional i  | ree for specif<br>program listin | rication<br>na filed | and drawii<br>in an elect | ngs tiled in pa<br>ronic medium | iper over 100 snee<br>).  The fee is <b>\$250</b> | is (exc            | iuding sequence i<br>ch additional 50 sh | sung or<br>leets of paper |            | 1                      |              |  |
| or fraction   |                                  | .goc                 |                           |                                 |   |                    |  |                           |            |                        | PET          | ATTER ITY  |
| Total Sheets  | Extra Sh                         | eets                 |                           | of each addit                   |   |                    | RATE                                     |                           |            |                        | DODO-CLET    | ACCOLANT !                                       |
|   |                                  |                      | fraction to number        | hereof (round                   | up to a whole                                     |                    |  |                           |            |                        | Der Cari     |  |
| 27 -100   | 0 /                              | /50 =                | 0.00                      |                                 |   | \$0.0              | 0 (1681)                                 |                           | \$         |                        | 14           | 1140   |
| 2, 100  |                                  | -                    |                           |                                 |   |                    | (,,,,                                    |                           |            |                        |              | VALUE  |
|   |                                  |                      |                           |                                 |   | \$0.0              | <b>0</b> (2681)                          |                           |            |                        | PEE          | FUPNICH  |
|   |                                  |                      |                           |                                 |   |                    |  |                           | $\perp$    |                        |              |  |
| Surcharge of \$13   | <b>30.00</b> (1617               | 7)/\$65              | . <b>00</b> (2617         | ) for furnishi                  | ng the oath or de                                 | clarat             | ion later than 🛛                         | 30 months                 |            |                        |              | 1  |
| from the earliest   |                                  |                      |                           |                                 |   |                    |  |                           | \$         | 130.00                 | 1/23)        | 1500   |
| CLAIMS  |                                  |                      | FILED                     | # EXTRA                         |   |                    | RATE                                     |                           | $\Box$     |                        |              |  |
| Total Claims  | 13                               | m                    | inus 20                   | 0 X                             | \$50.00 (1615)/                                   | '                  | \$25.00 (2615)                           |                           | \$         |                        |              | 110  |
|   |                                  |                      | =                         |                                 |   |                    |  |                           | $\sqcup$   |                        | 104          | 1400   |
| Independent Cla   |                                  |                      | nus 3 =                   | 0 X                             | \$200.00 (1614                                    |                    | \$100.00 (2614                           |                           | \$         |                        |              | <u> </u>   |
| MULTIPLE DEPI   |                                  |                      |                           |                                 |   |                    | 6)/\$180.00 (261                         |                           | \$         | 0.00                   |              | <del>                                     </del> |
| Petition is hereby attachment(s): 0   |                                  |                      |                           |                                 |   |                    |  |                           |            |                        | L            | OR FOR THE S                                     |
| (1252)/\$225.00 (   | 2252)·Thre                       | e Mor                | sion anzo<br>ith Extens   | ions \$1020.                    | 00.00 (2231), TV                                  | 0 (225             | iiii Extensions (<br>i3): Four Month     | Extensions                |            |                        |              |  |
| \$1590.00 (1254/  |                                  |                      |                           | •                               | (1200,4010.0                                      | - (                | ,,                                       |                           | \$         | 0.00                   |              |  |
| Applicant cla   |                                  |                      | status. Se                | e 37 CFR 1                      | .27.  |                    |  |                           | + +        | 0.00                   | <del> </del> |  |
| Processing fee o  |                                  |                      |                           |                                 |   | later t            | han 🔲 20 📗                               | 30                        |            |                        |              |  |
| months from the   | earliest cla                     | imed                 | priority da               | te (37 C.F.F                    | R. 1.492(f).                                      | Ad ius             | tment date: 08/                          | 29/2005 WAL               | VARAD      | 0.00                   | <u> </u>     |  |
|   |                                  |                      |                           |                                 | 1   |                    | /acost alkakpatho                        |                           |            |                        |              |  |
| Fee for recording   | the enclos                       | sed as               | signment                  | (37 C.F.R.                      | 1.21(h). The ass                                  | ig <del>n</del> me | ทั <b>ร</b> ที่โยรt be acco              | mpanied by                | 1 1        | 40 00.0                |              |  |
| an appropriate co   |                                  | •                    |                           |                                 |   |                    |  | 0450\                     | \$         | 0.00                   | ļ            |  |
| Fee for Petition t  | o Hevive U                       | ninter               | itionally A               | bandoned A                      | pplication;\$1500                                 |                    | 153) / \$750.00 (<br>ΓAL FEES EN         |                           | \$<br>  \$ | 0.00<br><b>1130.00</b> | <del> </del> |  |
|   |                                  |                      |                           |                                 | · :   | 10                 | IAL FEES EN                              | CLUSED =                  |            | nount to be:           | <u> </u>     |  |
|   |                                  |                      |                           |                                 |   |                    |  |                           |            | refunded               | s            |  |
|   | <del></del> -                    |                      |                           |                                 |   |                    | · · · · · · · · · · · · · · · · · · ·    |                           |            | Charged                | \$           |  |
| a. A chec   | k in the am                      | nount                | of \$1130                 | 00 to cover                     | the above fees is                                 | s enclo            | sed.                                     |                           | _          |                        |              |  |
|   |                                  |                      |                           |                                 | 140 in the amour                                  |                    |  | he above fee              | S.         |                        |              |  |
| A dupl  | icate copy                       | of this              | form is er                | nclosed.                        | ĺ   | Refu               | nd Ref:                                  |                           |            |                        |              |  |
|   |                                  |                      |                           |                                 | narge any additio                                 | n <b>abje</b>      | 9 <b>ጵ2ለሳሽ</b> ch may be                 |                           |            | lit any                |              |  |
| •   | •                                |                      |                           |                                 | 0. A <u>duplicate</u> co                          | op <del>y of</del> | this <del>torm is enol</del>             | 9 <del>60</del> d         |            |                        |              |  |
| d. K CREC   | DII CARD                         | PAY                  | MENIF                     | ORM ATTA                        | ACHED.<br>n No. PCT/IT200                         | Cred               | it Card Refund a                         | otalı.                    | 100_(      | 00 ation (a) a         |              | adin a   |
| e. 🛛 The er<br>thereto, referred  |                                  |                      |                           |                                 |   |                    |  |                           | appi       | nealion(s) co          | nespoi       | iding  |
| NOTE: Where a   |                                  |                      |                           |                                 |   |                    |  |                           | o rev      | vive (37 C.F           | R. 1.1       | 37(a)  |
| or (b) must be f  | iled and gr                      | antec                | to resto                  | re the appli                    | cation to pendi                                   | ng sta             | tus.                                     | WEAFI                     |            | •                      |              | ` ,  |
| CORRESPOND  |                                  |                      |                           |                                 | 1   |                    |  |                           |            |                        |              |  |
| Direct all corre  | •                                |                      |                           |                                 |   |                    |  |                           |            |                        |              |  |
|   | Custome                          | er N                 | umber:                    |                                 | 23117   |                    |  | $\wedge$                  |            |                        |              |  |
|   |                                  |                      |                           |                                 | ustomer Number here                               | <br>•              |  | 11.01                     | 1 1        | 2                      |              |  |
|   |                                  |                      |                           | ÷*                              |   |                    | /  | V                         |            | •                      |              |  |
|   |                                  |                      |                           |                                 |   |                    | L  | uhhy                      |            |                        |              | _  |
| Telephone: (703)  | 816-4000                         |                      |                           |                                 | 1   |                    | Arthur R. Cr                             | awford /                  |            |                        |              |  |
| ARC:alb   |                                  |                      |                           |                                 | İ   |                    | NAME                                     |                           |            |                        |              |  |
|   |                                  |                      |                           |                                 |   |                    | 25,327                                   |                           | M          | ay 10, 2005            | i            |  |
|   |                                  |                      |                           |                                 |   |                    | REGISTRATIO                              | N NUMBER                  |            | ate                    |              |  |